

# New York State Department of Transportation

## Yellow Flag NB22CTW008

By: Rehan Afridi

Flag Date: March 30, 2022

Superseding Information:

This flag supersedes: YF NB2158W007

### Structure Information

**BIN: 1065318**

**Feature Carried: 278I278IX2M23027**

**Feature Crossed: 6TH AVENUE**

**Orientation: 8 - NORTHWEST**

**Region: 11 - NEW YORK CITY**

**County: KINGS**

**Political Unit: City of NEW YORK**

**Approximate Year Built: 1962**

**Posted Load Matches Inventory : Yes**

**Bridge Load Posting (Tons) : Not Posted for Load**

**Primary Owner: New York State Department of Transportation**

**Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party**

**Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder**

**This Bridge is not a Ramp**

**Number of Spans: 322**

### Verbal Notification Information

**Person Notified: Heinz Joachim, P.E.**

**Date: March 30, 2022 10:00:00 AM**

**Of: NYSDOT Region 11**

### Signature Information

**Signature: Rehan Afridi, P.E. 075185**

**Date: April 08, 2022**

**Reviewed By: Robert Kemp**

**Date: April 08, 2022**

**Attachments: 5**

**Flagged Elements**

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 165</b>			
	107 - Steel Open Girder/Beam	1041	ft
	PR831 - Steel Beam End	43	each

**Flagged Condition Description**

This Yellow Flag NB22CTW008 supersedes previously issued Yellow Flag No. NB2158W007.

Location: Span 165, Girder G19 at Pier 165

Description: The connection angles at both faces of Girder G19 in Span 165 at Pier 165 exhibit cracks along the fillets of the angles. The left connection angle exhibits a 9" long vertical crack (no change in condition) along the fillet starting at the top of the angle (Photo 2). The right connection angle exhibits a 7-1/2" long diagonal crack (no change in condition) stemming from the 4"L x 1"H corrosion hole at the top of the angle and continuing into the fillet (Photo 3). The end of Girder G19 is framed into the pier web with the connection angles.

Notes:

1. The bottom of the left connection angle exhibits a 2"L x 1"H corrosion hole (no change).
2. The end of Girder G19 in Span 165 at Pier 165 exhibits 30%-35% section loss for 23"H x 3"W area in the web along the connection angles. The condition is the same as reported in the last inspection.
3. The connection angles at the adjacent Girders G18 and G20 in Span 165 at Pier 165 are in good condition with 20% section loss in the web of Girder G18 and 30% section loss in the web of Girder G20 along the connection angles. In addition, at Girder G20 a 5"x5" area at the left side top of web adjacent to the connection angle exhibits 30-45% section loss. These conditions are the same as reported in the last inspection.
4. This flagged condition is located above the center lane on 3rd Avenue EB roadway and was accessed using 30ft bucket truck and double lane closure.

**Flag Photographs**

Photo Number: 1

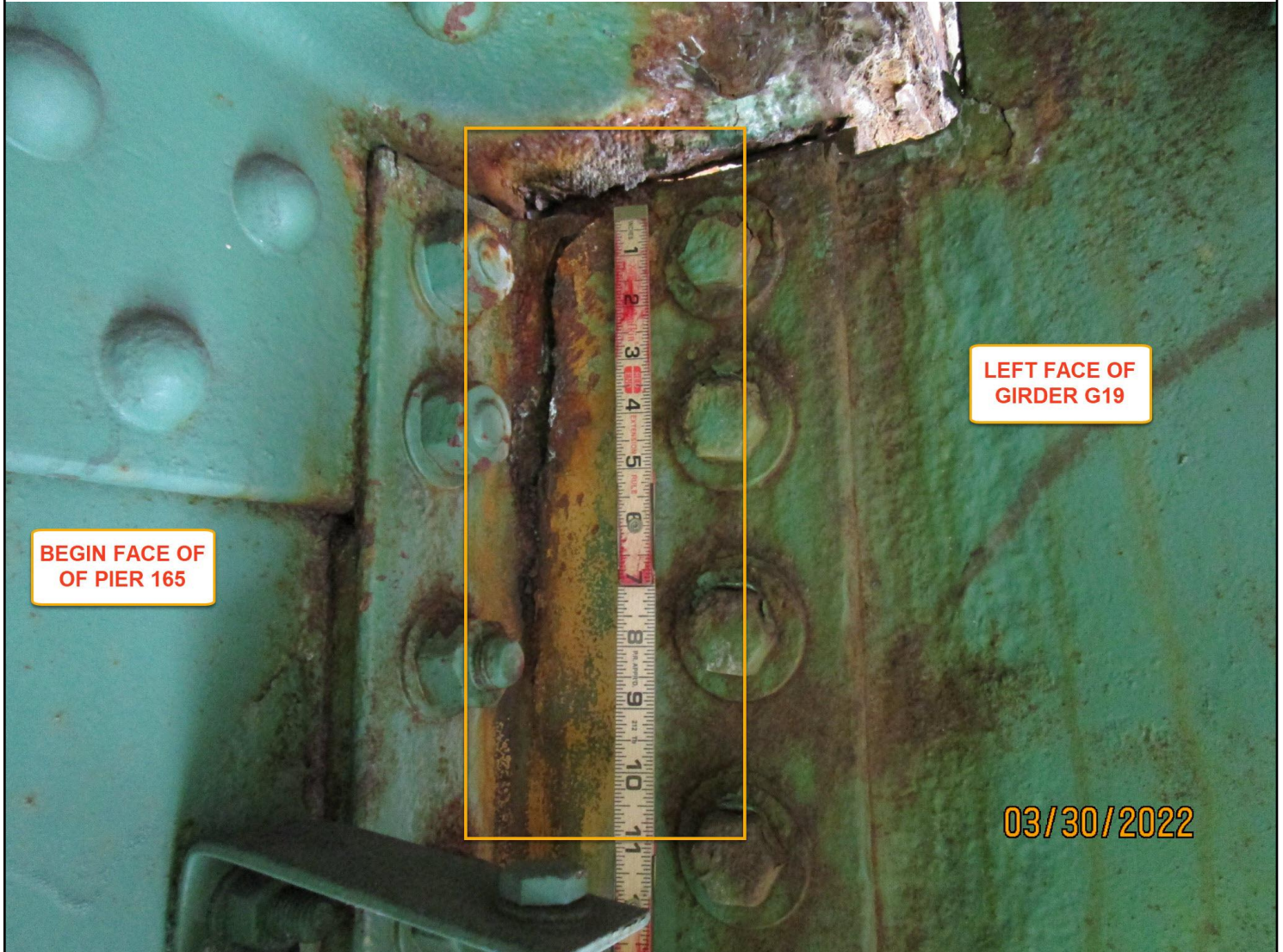
Photo Filename: Photo 1 RA 608-0365-edit.jpg



**Attachment Description:** General view of the flagged condition at Girder G 19 in Span 165 at Pier 165. Looking End.

Photo Number: 2

Photo Filename: Photo 2-RA 608-0367.jpg



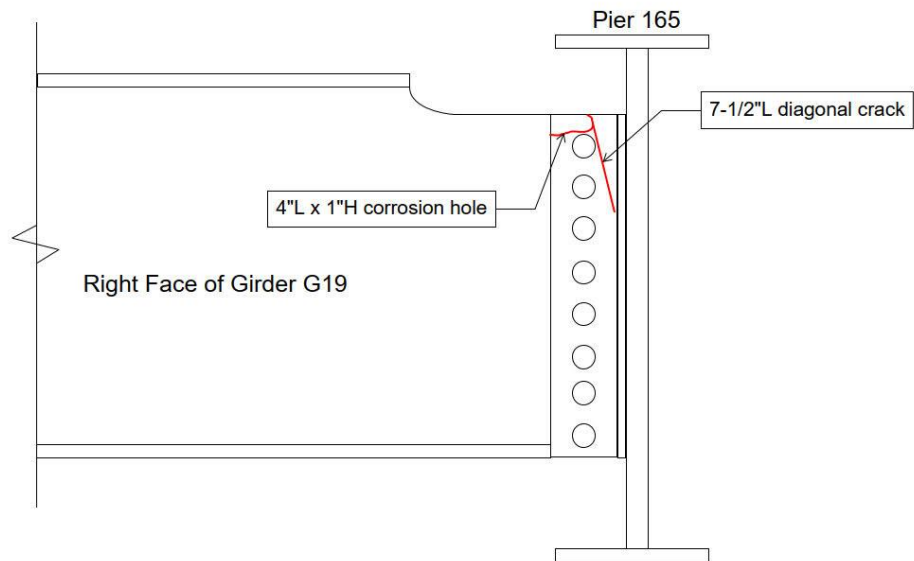
**Attachment Description:** The left face of Girder G19 in Span 165 at Pier 165. The connection angle exhibits a vertical crack at the top of the angle along the fillet. Looking Right.

Photo Number: 3

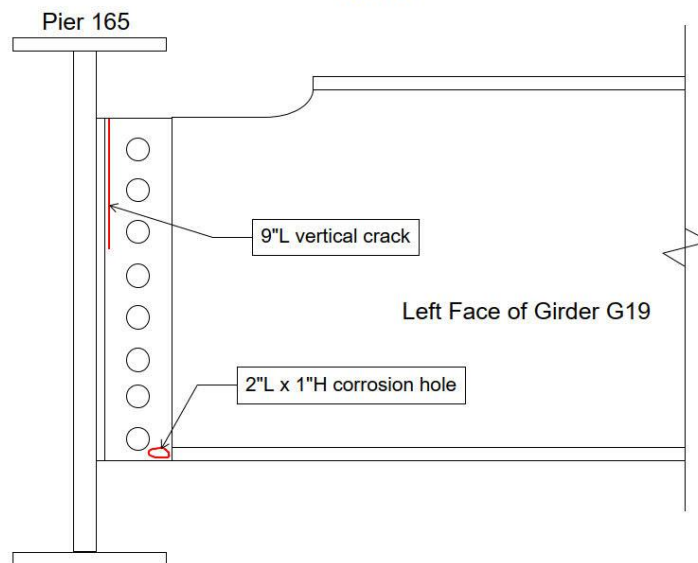
Photo Filename: Photo 3-RA 608-0379.jpg



**Attachment Description:** The right face of Girder G19 in Span 165 at Pier 165: The connection angle exhibits a diagonal crack stemming from the corrosion hole at the top of the angle and continuing into the fillet. Looking Left.

Photo Number: **4**Photo Filename: **NB22CTW008 Connection Angle Detail Sketch.jpg**DATE 03/30/2022TEAM LEADER Rehan Afridi, P.E. ASSISTANT TEAM LEADER Marcos Perez

**Right Face of Girder G19 in Span 165 at Pier 165**  
**N.T.S.**



**Left Face of Girder G19 in Span 165 at Pier 165**  
**N.T.S.**

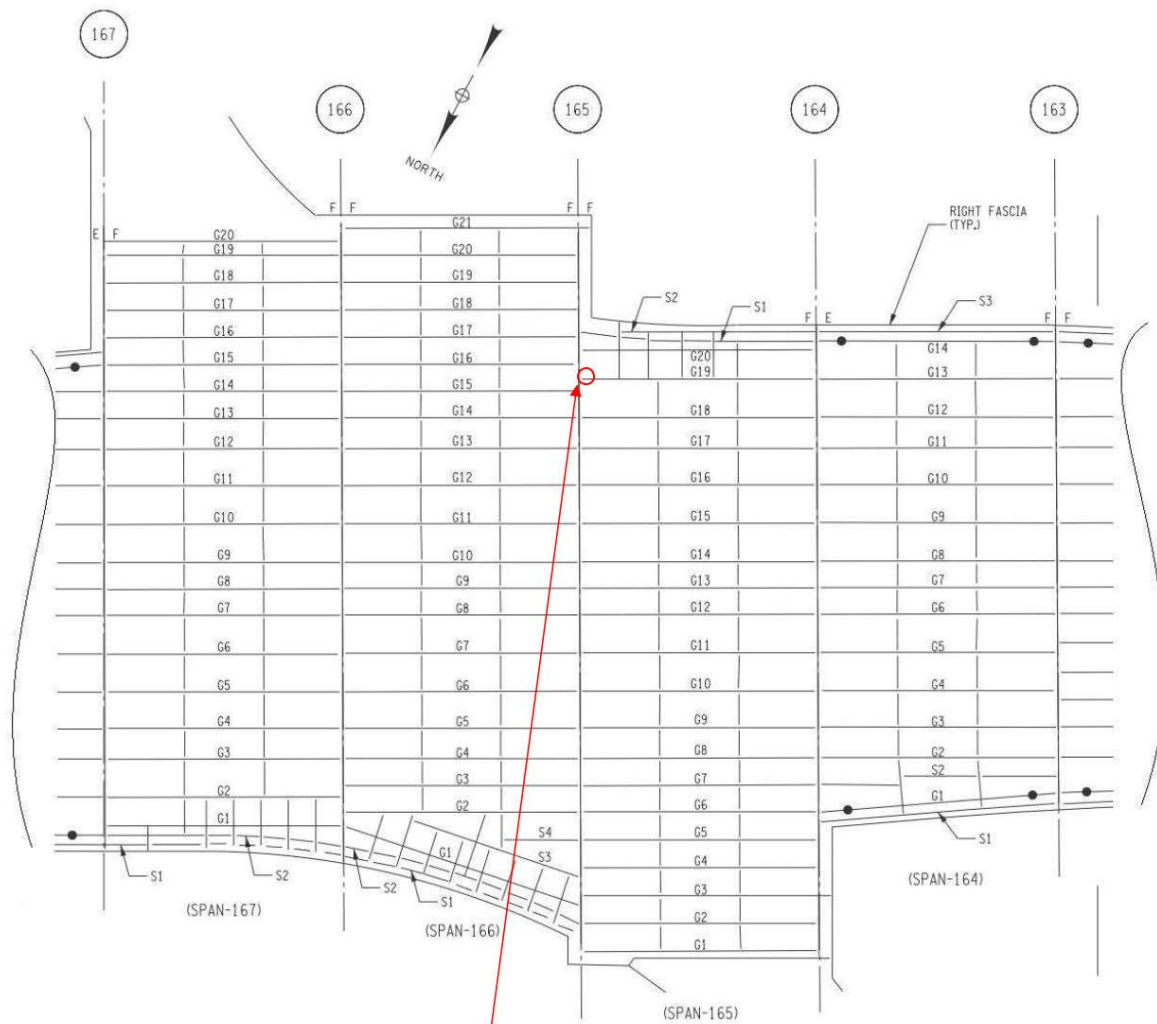
**Notes:**

- The defects on the girder web are not shown for clarity.
- The end of the girder is framed into the pier web with connection angles.

***Attachment Description: SN 165 G19 at Pier 165 Sketch***

Photo Number: 5

Photo Filename: NB22CTW008 FRAMING PLAN.jpg



**YELLOW FLAG LOCATION**  
**No. NB22CTW008**

**Attachment Description: SN 165 G19 at Pier 165 Framing Plan**